

Experience

Software Development Engineer II - Network Traffic Observability

Amazon 7/2022 - PRESENT

- Created a service that returns the call graph serving it at environment, service, and API granularity for any single environment, service, or API. Guided a less-tenured engineer through developing its corresponding front end.
- Contributed to another team's code base, a design and implementation for bespoke traffic observability and metrics for the Retail Website environment, the multi-tenant platform serving Amazon.com, exposing 20 million unique dependencies at API granularity and allowing tracing from customer URL through the call graph serving 150,000 transactions per second
- Led back-end regionalization which, over 5 minutes, handles over 25 million requests globally and over 6 million in EU, including developing a locally resolved modifiable DNS
- Organized team's tech debt efforts, leading to a 70% month over month, of which I personally actioned 40% of, and developed new debt tracking mechanisms
- Performed safe and above Amazon standards back-end CPU architecture migration
- Regularly collaborate and create high-quality reusable documentation including runbooks, developer resources, and developer notes

Game Industry Analyst

Intel Corporation 7/2021 - 7/2022

- Database System Developer in web app using C#, JavaScript, & HTML utilized by about 200 users
- Created quarterly unreleased game sales forecasts leveraging external and internal information including 200 unique titles
- Trained my team in Salesforce and created training material for users to regularly reference
- Maintained Salesforce Data, driving best-known method (BKM) changes as per business need, and updating 20+ contract employees on BKM changes
- Worked with technical, marketing, sales, and developer relations teams to deliver unreleased drivers to 50+ external contacts and build out corresponding support processes

Leadership Development Intern

RippleMatch 9/2020 - 1/2021

- Assessed performance to create new growth strategies and report up management chain

Modified Supplemental Instruction Learning Assistant UC Santa Cruz Learning Support Services 3/2020 - 9/2020

- Assisted students with tutoring and designed coding exercises regarding Python and discrete math

Technical Support Specialist

UC Santa Cruz Residential Network Services 9/2019 - 1/2020

- Provided technical and networking support, inventory checks, and technician visits using a ticketing system

Education

Computer Science B.S.

University of California, Santa Cruz

Computer Science: Computer Game Design B.S.

Awards

CruzHacks 2019 Google Honorable Mention for Musical Pool

- With 2 others, created a web application using Spotify to create playlists matching all musical interests
- Developed the controller and database manipulation while unblocking front-end development

Skills

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- Languages: Python, C/C#/C++, Java, JavaScript, MIPS Assembly, RISC-V Assembly, CSS, HTML
 - Frameworks: Vue, ASP.NET, EF Core, Flask, Node.js, web2py, py4web, Phaser
 - Other: ML/AI, TensorFlow, Razor Pages, MongoDB, Salesforce, Unity, Concurrency, Git, Unix, MS 365